

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A light emitting fishing lure comprising:
a hollow body having an exterior with a phosphor coating on at least parts thereof, a distal end and a proximal end, the proximal end terminating in an eyelet;
a hook coupled to said body;
a battery source;
a multiple emission color light source located within said body;
a printed circuit board controller for said light source that automatically varies color emission from said light source; and
a light pipe in optical communication between said light source and the exterior of said body.
2. (Currently Amended) The lure of claim 1 ~~further comprising a~~ wherein the phosphor on the exterior of said body is selected from the group consisting of an embedded particulate, a film, and an appliqué.
3. (Original) The lure of claim 1 wherein said battery source is a button-type battery.
4. (Original) The lure of claim 1 wherein said light source is a multiple color single light emitting diode.

5. (Original) The lure of claim 4 wherein said multiple color single light emitting diode has an ultraviolet emission.

6. (Original) The lure of claim 1 wherein said light source is a plurality of light emitting diodes.

7. (Original) The lure of claim 6 wherein said plurality of light emitting diodes comprises an ultraviolet light emitting diode.

8. (Original) The lure of claim 1 wherein said light pipe is embedded in said body.

9. (Original) The lure of claim 8 wherein said body is transparent or translucent and functions as said light pipe.

10 (Original) The lure of claim 1 wherein said light pipe is a trailing fiber optic.

11. (Original) The lure of claim 10 wherein said light pipe is a plurality of fiber optics emanating from the distal end of said body.

12. (Original) The lure of claim 1 further comprising a switch for selectively forming an electrical circuit between said light source and said battery.

13. (Original) The lure of claim 12 wherein said switch is located within said body.

14. (Original) The lure of claim 12 wherein said switch is of a type selected from the group consisting of: kinetic, motion detection, and electrical resistivity.

15. (Original) The lure of claim 12 wherein said switch is a kinetic switch.

16. (Original) The lure of claim 1 further comprising a transformerless voltage step-up circuit intermediate between said battery and said light source.

17. (Original) The lure of claim 16 wherein said transformerless voltage step-up circuit increases output voltage from said battery source by a factor of between 1.6 and 3.

18. (Currently Amended) A light emitting fishing lure comprising:
a hollow body having an exterior decorated with a phosphor, a distal end and a proximal end, the proximal end terminating in an eyelet ~~decorated with phosphor~~;
a hook coupled to said body;
a battery source;
an ultraviolet light emitting diode light source located within said body;
a printed circuit board controller for said ultraviolet light emitting diode light source to selectively activate said ultraviolet light emitting diode light source in a time pulsed manner; and
a light pipe in optical communication between said light source and the exterior of said body.

19. (Currently Amended) The lure of claim 18 ~~further comprising a~~ wherein the phosphor on the exterior of said body is selected from the group consisting of an embedded particulate, a film, and an appliqué.

20. (Original) The lure of claim 18 wherein said light pipe is embedded in said body.

21. (Original) The lure of claim 18 wherein said light pipe is a trailing fiber optic.

22. (Original) The lure of claim 21 wherein said light pipe is a plurality of fiber optics emanating from the distal end of said body.

23. (Original) The lure of claim 18 further comprising a switch for selectively forming an electrical circuit between said light source and said battery.

24. (Original) The lure of claim 23 wherein said switch is located within said body.

25. (Currently Amended) The lure of claim 23 wherein said switch is ~~of a type~~ selected from the group consisting of: kinetic, motion detection, and electrical resistivity.

26. (Original) The lure of claim 23 wherein said switch is a kinetic switch.

27. (Original) The lure of claim 18 further comprising a transformerless voltage step-up circuit intermediate between said battery and said light source.

28. (Original) The lure of claim 27 wherein said transformerless voltage step-up circuit increases output voltage from said battery source by a factor of between 1.6 and 3.

29. (Original) The lure of claim 18 wherein said ultraviolet light emitting diode is gallium indium nitride.

30. (Original) The lure of claim 18 wherein said ultraviolet light emitting diode is gallium nitride.

31. (Original) A method of charging a phosphorescent fishing lure comprising the steps of:

sealing a battery powered ultraviolet light emitting diode within a fishing lure having a phosphor thereon;

providing an optical path between said ultraviolet light emitting diode and said phosphor;
and

activating said ultraviolet light emitting diode to charge said phosphor.

32. (Currently Amended) The method of claim 31 wherein ~~activation of~~ activating said ultraviolet light emitting diode is in a time pulsed manner.

33. (Original) The method of claim 32 wherein the time pulsed manner is on a time scale comparable with a decay time of said phosphor.

34. (Original) The method of claim 31 wherein the optical path is via an optical fiber.

35. (Original) The method of claim 34 wherein said optical fiber is embedded in said fishing lure.

36. (Original) The method of claim 34 wherein said optical fiber is a trailing optical fiber.

37. (Original) The method of claim 36 wherein said trailing optical fiber is a plurality of fibers emanating from said fishing lure.